

# Acquisition Reform Success Story



## B-1B Defensive System Upgrade Program (DSUP)

**Program Manager (PM):** Col. Robert H. Matthews  
**Program Executive Officer:** MGen Robert F. Raggio  
**Contractor:** Rockwell NAAD  
**Contractor PM:** Mr. Howard Chambers  
**Success Story POC:** Dennis Penka ASC/YDI (MTC),  
DSN:785-4194

### Program Description

DSUP is the defensive systems portion of the overall B-1B Conventional Mission Upgrade Program (CMUP); a multi-phased program which involves upgrading the B-1B's weapon delivery system, the avionics computer complex and defensive avionics system. These upgrades will enable the B-1B to accomplish future bomber conventional missions as the backbone of the bomber force.

### How Streamlining Made a Difference

As a "flagship" program for implementation of Cost as an Independent Variable (CAIV) acquisition reform initiatives, the joint government/industry DSUP Integrated Product Team (IPT) conducted a comprehensive cost-performance study to attack life cycle cost issues in preparation for a Milestone II decision. The system design which emerged from the CAIV activity substantially reduced system cost and complexity while promising to meet all the user's performance-based operational requirements. The post-CAIV design will yield a projected operating cost reduction of \$20M per year compared to the pre-CAIV approach, and a dramatic \$50M per year when compared to the existing defensive system.

MEASURE	FROM	TO
Program Cost (Est)	\$989M	\$747M
Number of Line Replaceable Units (LRUs)	93	34
System Weight	2413 lbs	1000 lbs
Mean Time Between Failure	62 hrs	112 hrs
Cost Per Flying Hour	\$1220	\$440
Operational Requirements	All Met	All Met

**Bottom Line:** In preparation for a Milestone II DAB, the B-1B DSUP IPT moved out aggressively with a CAIV initiative that produced an affordable, quality approach to the system design that promises to meet the customer's needs, while dramatically reducing system complexity and cost.